Internation Application No PCT/EP 03/07124

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A43B7/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC  $\,7\,$  A43B

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## EPO-Internal

Citation of document, with indication, where appropriate, of the relevant	passages Relevant to daim No.
US 5 806 208 A (FRENCH MICHAEL J) 15 September 1998 (1998-09-15) column 5, line 48 - line 52	1,9,10
WO 02 24016 A (KOTACK ALLAN) 28 March 2002 (2002-03-28) page 12, paragraph 4 page 14, paragraph 3	1,5,6,9, 10
US 90 197 A (WILLIAM ROGERS) 18 May 1869 (1869-05-18) the whole document	1,9,10
GB 1 328 050 A (SHIMIZU S) 22 August 1973 (1973-08-22) the whole document	1,9,10
er documents are listed in the continuation of box C.	Patent family members are listed in annex.
	US 5 806 208 A (FRENCH MICHAEL J) 15 September 1998 (1998-09-15) column 5, line 48 - line 52  WO 02 24016 A (KOTACK ALLAN) 28 March 2002 (2002-03-28) page 12, paragraph 4 page 14, paragraph 3  US 90 197 A (WILLIAM ROGERS) 18 May 1869 (1869-05-18) the whole document  GB 1 328 050 A (SHIMIZU S) 22 August 1973 (1973-08-22) the whole document

A STATE OF THE STA	A Sacrification of the manual in annual
Special categories of cited documents:  A' document defining the general state of the art which is not considered to be of particular relevance  E' earlier document but published on or after the international filling date  L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  O' document referring to an oral disclosure, use, exhibition or other means  P' document published prior to the international filling date but later than the priority date claimed	<ul> <li>'T' later document published after the international filing date or priority date and not in conflict with the application but died to understand the principle or theory underlying the invention</li> <li>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more offier such documents, such combination being obvious to a person skilled in the art.</li> <li>'&amp;' document member of the same patent family</li> </ul>
Date of the actual completion of the International search	Date of mailing of the international search report
5 September 2003	12/09/2003
Name and mailing address of the ISA.	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tet. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	· Claudel, B



Internation Mapplication No
PCT/EP 03/07124

Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 296 01 097 U (KUEDERLI PETER) 4 July 1996 (1996-07-04) the whole document	1,9,10
A	WO 94 28834 A (JMK INT INC) 22 December 1994 (1994-12-22) cited in the application the whole document	1,9,10
٠		
	÷	
	·	
	i i	
	· .	



Internation	Application No
PUI/EP	03/07124

					<del></del>
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5806208	Α	15-09-1998	AU WO	5380798 A 9825491 A1	03-07-1998 18-06-1998
WO 0224016	A	28-03-2002	CA AU WO CA GB US	2320672 A1 9357001 A 0224016 A2 2357698 A1 2368773 A ,B 2002038098 A1	25-03-2002 02-04-2002 28-03-2002 25-03-2002 15-05-2002 28-03-2002
US 90197	А		NONE		<del></del>
GB 1328050	A	22-08-1973	NONE		
DE 29601097	U	04-07-1996	DE	29601097 U1	04-07-1996
WO 9428834	Α	22-12-1994	WO AU EP	9428834 A1 4637193 A 0708626 A1	22-12-1994 03-01-1995 01-05-1996